



<http://www.jhuapl.edu/weather/education/ACONdata.html>

ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER WITH DATA FROM NEARBY AREAS

HEAVIEST MARCH SNOW EVENT SINCE 1999

Temperatures this month averaged around normal but precipitation was below normal for the third consecutive month. Yearly totals at NWS stations were ~50% below normal. Snowfall totals “flip-flopped” from normal, i.e. the heaviest amounts fell in the east and the west saw little snow. The following was taken from **Joe Terry’s Forest Glen** monthly summary: “The month began with the biggest snowstorm of the season and the lowest temperature since mid-January. Less than a week later temperatures were in the upper 70’s and all the snow was melted. Temperatures the rest of the month were more seasonable. No liquid precipitation fell until late on the 13th, and it remained rather dry until the four consecutive rainy days at the end of the month. The bulk of the month’s precipitation occurred in this 4-day period.”

The month began with the heaviest snow event of the season which came in two parts. **Jeff Stoudt of Laurel 1 E** reported that the storm quadrupled his season snowfall total. Precipitation began as rain and sleet in the southern portions and wet snow in the north early on the 1st. After a lull the steady snow began to move north and west during the afternoon and evening. Bands of heavy snow occurred the morning of the 2nd. See page 3 for a report from **Herb Close of Manchester 1 SW**. The snow ended as flurries the afternoon of the 2nd. Temperatures failed to rise above freezing on the 2nd and 3rd as strong winds blew the snow.

Extreme cold for March followed in the wake of the storm. Sub teen minimum temperatures were common on the 2nd and 3rd. Below zero temperatures were reported by two ACON observers: -4° by **Dave Leshar of Davis 3 SE WV**, and -2° by **Rebecca Harvey of Eagle Rock**.

The snow cover was short lived. Warm air began to move into the region on the 5th. 60’s were common on the 6th and 70’s on the 7th and 8th.

Humidity fell to 20% or lower the

afternoon of the 11th. Light snow fell on the 13th southeast of Washington D.C. This was the only other snow reported for the month east of the mountains.

Spring arrived on the 20th. Pre-dawn light rain fell in the far eastern portions. Otherwise it was sunny and cool. Minimum temperatures fell below freezing from the 20th to the 25th and again on the 31st.

Four consecutive days of rain from the 26th to the 29th brought over an inch to most of the region. The heaviest amounts reported by ACON observers were: 1.96” by **Rick Holden of Clarksburg**, 1.81” by **Rob Cohen of Potomac 4 N**, and 1.76” by **Ron Berger of Norbeck 1 SE**. Temperatures rose into the 70’s on the 29th from Carroll County eastwards. Thunderstorms moved thru on the 29th.

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Lothian	80
Hollywood	80
Baltimore 2 SE	79
Bryans Road 2 ESE	79
Ridge	79

MINIMUM TEMPERATURE

Davis 3 SE WV	-4
Eagle Rock	-2
Bear 2 SW DE	3
Frostburg	3

WARMEST AVG. TEMP.

Oxon Hill	45.6
Ridge	45.5
Baltimore 2 SE	45.4
Bryans Road 2 ESE	45.4

COLDEST AVG. TEMP.

Davis 3 SE WV	36.4
Eagle Rock	37.7
Frostburg	38.0

MAXIMUM PRECIPITATION

Ridge	4.28
Hollywood	3.85
Sterling 4 N	3.29

MINIMUM PRECIPITATION

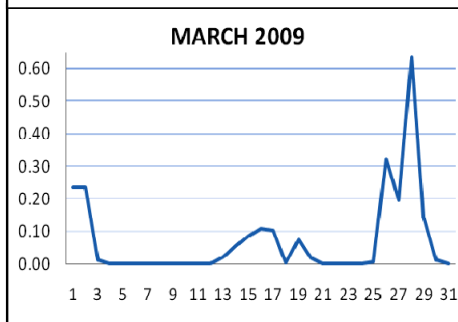
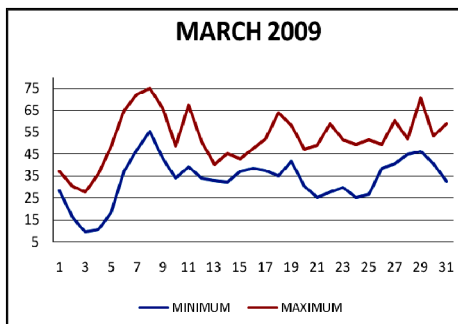
Owings Mills	1.60
LaVale	1.64
Manchester 1 SW	1.66
Hagerstown 1 E	1.66

MAXIMUM SNOWFALL

Hollywood	11.3
Bear 2 SW DE	10.5
Ridge	9.5

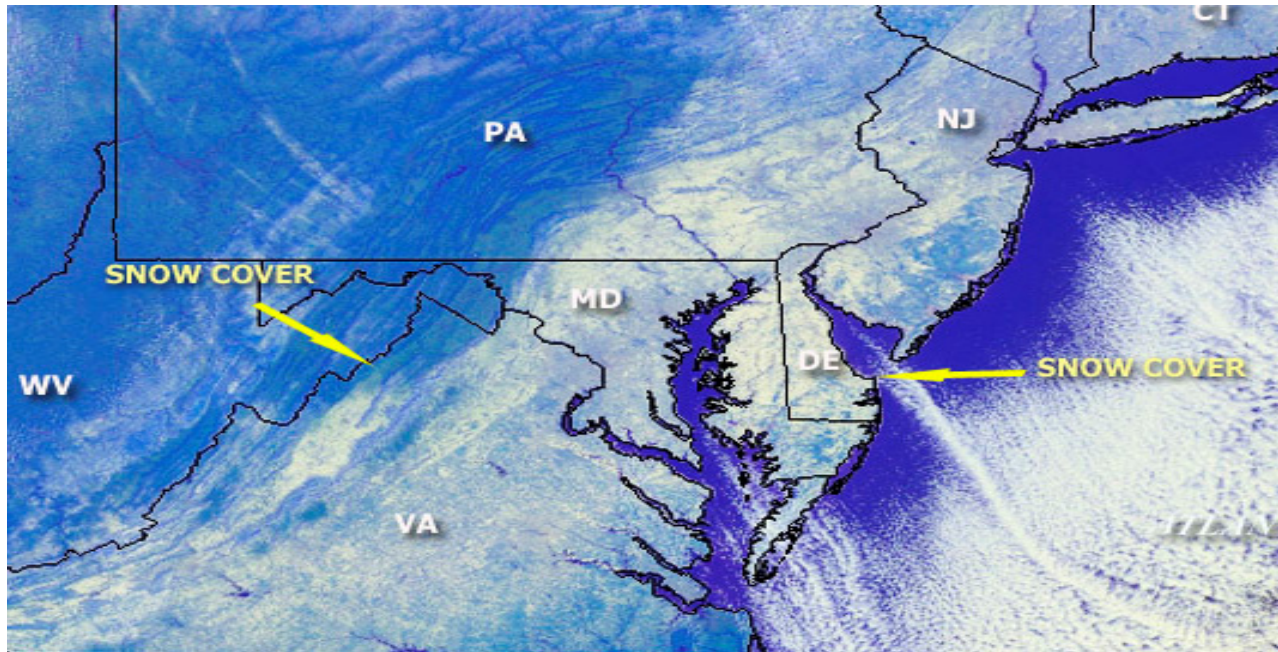
MINIMUM SNOWFALL

Frostburg	0.1
Hagerstown 1 E	0.6



ACON MD/DE Network

Daily average temperatures and precipitation based on observation times, not calendar days.



NOAA-17 SATELITE IMAGE MARCH 3, 2009 AT 15:11:28 UTC

OBSERVER COMMENTS FOR MARCH 2009

Gary Gallaher of Bear 2 SW, DE

Dry cool month. Ground dry enough to till and plant onions and cabbage on the 14th.

1st-2nd - 2nd heaviest March snowstorm in station history.

4th - Very cold, 3° the second coldest ever for March.

Nate Mullins of LaVale

Considerably milder and woefully drier than average.

2nd - 23° Maximum ties for 3rd lowest March max temp.

8th - Daily record high of 74°.

30th - Very windy all day.

Jeff Stoudt of Laurel 2 E

2nd - Snowstorm till early afternoon. +SN 0700-0900 brought a fluffy 4" from only 0.16" liquid equivalent.

28th - -RA/+SHRA before daybreak then -DZ.

Marty Sharrow of Owings Mills

2nd - Snowy AM, windy and bitter cold.

6th - Abundant sunshine and warmer.

31st - Frosty start, lots of sun and mild.

Joe Manfre of Baltimore 2SE

2nd - Snow until mid afternoon, very windy, blowing snow.

8th - Mostly cloudy, very warm.

Ralph Hartsock of Westminster 4 SSE

2nd - Heavy snow, blizzard conditions, windy.

26th - Off and on rain, mostly in the PM.

29th - Partly cloudy, warmer, PM thunderstorms.

Bobby Miller of Millers 4 NE

2nd - Dry drifting snow, 3.0" 0730 - 0830.

6th - Clouds early with virga then mostly sunny afternoon.

18th - Patchy dense fog early, then afternoon clearing.

Ray Muller of Westminster City

2nd - Snow - Visibility down to 1/16 mile at 0800.

9th - Sunny, blustery.

29th - Barometer falls to 29.22"

Marty Brumback of Bryans Road 2 ESE

13th - Light snow 6 - 9 AM, flurries later.

14th - Overcast intermittent light rain and drizzle.

21st - High thin overcast during the day, light winds.

Eric Glass of Emmitsburg 2 SE

29th - Light ground fog.

Rebecca Harvey of Eagle Rock

Maximum snow cover 1" on the 1st - 4th & 30th.

31st - Heavy frost.

Rich Giannola of JHU/APL

2nd - SN in morning with +SN after dawn. SN ending in late morning with -SNSH in afternoon. PWG 40 mph NNW @ 11:05 AM.

Rob Cohen of Potomac 4 N

2nd - Heavy snow 11PM 3/1 to 1 AM and 6 AM - 8 AM.

30th - Windy.

Rich Giannola of Olney 1 S

29th - Temperature drops rapidly with late afternoon FROPA.

Stan Rossen of Glenmont 1 NNE

27th - Dense early morning fog.

Kevin Shaw of Gaithersburg 2 WNW

March was generally mild and dry, but with a few notable periods of exceptions. Early month snowpack short lived.

Continued on Page 3

OBSERVER COMMENTS FOR MARCH 2009

Continued from Page 2

Kevin Shaw of Gaithersburg 2 WNW

7th - Tied maximum temperature of 73 first set in 2000.

14th - Cloudy, not quite as cool, light rain / drizzle mid afternoon and evening.

20th - Sunny most of the day, colder, some clouds AM.

24th - Sunny, seasonably cool - lots of afternoon cirrus clouds.

Joe Terry of Forest Glen

2nd - A period of very heavy snow ensued from 0700 to 0900. About 3 inches of snow fell during this time, mostly

in a 70 minute period from 0700 to 0815 but only produced 0.06 inches melted!

28th - Moderate to heavy rain early then drizzle most of the remainder of the day. Biggest one-day precipitation event since Jan 7th.

Floyd Abell of Hollywood

13th - Morning snow - afternoon and evening rain and sleet at times.

28th - Heavy rain before dawn.

John Zyla of Ridge

1st - Rain: MID-5:45pm=0.47", Snow: 5:45-MID=0.73" liquid.

13th - Rain, MID-2:45am =0.02", Snow, 6:30-9am = 0.1"

Max Hutto of Smithsburg 1.5 SW

29th - Overnight showers, nearby PM t'storms, windy.

Greg Keefer of Hagerstown 1 E

2nd - Periods of light fine snow fell overnight and during part of the morning only 0.1" fell. Strong north winds gusting up to 39 mph caused some blowing snow.

6th - Partly cloudy, breezy, and much warmer. 73° high close to the record of 75° set in 1946.

9th - Cooler, very windy, WNW winds gusting to 49 mph.

11th - Cloudy, windy, much warmer, late afternoon humidity 10% -14%.

Jim Vaughn of Smithsburg 2 NE

Peak wind gusts 40 MPH or higher on the 1st, 2nd, 5th, 9th, 11th, 18th, 29th & 31st.

2nd & 3rd - Wind chill below zero, -6° on the 2nd and -9° on the 3rd.

6th - Max temp of 70 degrees is a new daily high surpassing 66 degrees set in 2004

Lance Shaffer of Sterling 4 N VA

18th - Dense fog.

25th - Frosty start to the day.

31st - AM frost.

Dave Leshner of Davis 3 SE WV

Maximum snow depth 1" on the 1st - 5th, 13th & 30th.

Report from Herb Close of Manchester 1 SW on the March 1st-2nd snowstorm:

Yesterday evening around 9:15 pm, light snow began here at Manchester 1SW, Md. I was disappointed that the snow began so late. I hoped the snow would start in the afternoon or at least by early evening, but the air here and in Pa. was so dry. North and NE winds were blowing in cold, dry air. All evening virga on the radar had overspread north central Maryland and here in Carroll County but no snow falling to the ground. The humidity and DP were low and it took awhile for the air to moist up. By the time the snow did begin, I could see the tail end of the first area of snow moving north with a wide break in the snow below it. I only had 0.8" snow at 11pm obs time. I went to bed not knowing what I would find the next morning. The next morning, I did have a little more snow. At least the grass was covered. At 6:48am, I had 1.5" snow and I did notice on WJZ channel 13 radar a heavy band of snow from the Pa. line to the Va. line across eastern Frederick County and western Carroll County moving slowly eastward. At 6:48am, I noticed the snow had gotten heavier, instead of fine to small flakes, I now had moderate to large flakes. The snow picked up snowing heavy and Visibilities lowered from a 1/4 mile to 1/8 mile. Winds were blowing NNE 10 - 25 mph. By 7:10am, I had very heavy snow, snowing heavy, larger flakes. Vis 1/8 mile. By 7:24am I measured 3.5" snow, (2" in 36 min. or a snowfall rate of almost 4"/hr.) I called my Mom to see how conditions were at Finksburg 2NW and to tell her what I had. It was snowing good there too. After I got off the phone, I went out to measure again at 7:36am just 12 minutes later and now my average depth was 5.0" and the snow was piling up fast!!! (That's 1.5" in 12 minutes or a rate of 7.5"/hr and a new record obs for snowfall rates!)(I also received 3.5" snow in 48 minutes!) I had almost a half a foot! The air was thick with large flakes around 1/2" with some possibly larger. Vis down to 1/16 mile. By 7:58am, I had 6.0" snow! (1" snow in past 22 minutes or a rate of almost 3"/hr.) From just before 7 am to 8 am, I went from 1.5" snow on the ground to 6.0" snow on the ground. I picked up 4" snow in one hour. At 8:24am, I measured 6.5" snow (That's .5" in 26 minutes or about 1"/hr.) After that, the snow slacked up to snow showers and flurries with moderate to small then fine flakes. Snow showers lingered the rest of the morning and early afternoon but very little if any accumulation.

My previous record for intense snowfall was on Feb. 22-23, 1987 when 18" snow fell in 10 hours. Between 11pm to 11:30pm, 2.5" snow fell or 5"/hr for a half hour., then between 11:30pm to 1AM another 6" fell or a snowfall rate of 4"/hr for an hour and half. In that storm, the flakes were large like silver dollars and the air was thick with them.

Compiled by Gary Gallaher, MD/DE ACON Data Collector and Report Writer, from data received from dedicated observers. Without your observations each month this report will not be possible.

**ACON MD /DE / DC
MARCH 2009 SUMMARY**

OBSERVER	STATION COUNTY, STATE	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME		
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON
<i>New Castle, Delaware</i>																									
Gallaher, Gary	Bear 2 SW	51.5	31.4	41.5	75	29	3	4	0	2	15	42	WSW	29	2.50	0.50	28	5.74	11	0	10.5	5.8	2	16.1	2400
NWS Wilmington	New Castle Co. Apt.	51.3	33.3	42.3	74	29	9	3	0	3	14	48	NW	9	1.89	0.39	2	5.09	12	0	10.5	5.8	2	16.1	2400
UofDE AG FARM DEOS***	Newark	51.7	32.5	42.1	74	7+	7	4	0	2	15	26		29	1.74	0.41	28	4.62	11	0					2400
U of D REC DEOS***	Townsend 4 W	50.4	31.4	40.9	75	29	1	4	0	3	16	36		2	1.53	0.48	28	4.54	12	0					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	54.0	34.5	44.3	79	8	6	4	0	2	11	46	NE	2	2.60	0.59	28	5.00	13	0					2400
U of D REC DEOS***	Georgetown 5 SW	52.9	33.3	43.1	77	8	2	4	0	3	13	40		2	2.28	0.64	28	4.90	12	0					2400
U of D REC DEOS***	Harbeson 8 S	51.4	32.1	41.8	77	8	2	4	0	3	14	43		2	2.15	0.62	28	4.73	13	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	47.7	28.2	38.0	72	8+	3	3+	0	3	21				1.70	0.48	28	6.36	9	0	0.1	0.1	1	42.0	0700
Mullins, Nate**	LaVale	52.2	34.1	43.2	74	6	7	3	0	2	14				1.64	0.38	26	5.44	8	0	2.5	2.5	1	20.8	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	53.4	33.6	43.5	78	8	8	4	0	2	11	30	WNW	30	2.01	0.66	28	5.27	11	0	7.2	5.7	2	8.7	2400
Jug Bay Wetlands	Lothian	54.7	31.2	43.0	80	9	6	4	0	2	16				1.72	0.63	28	4.94	12	0	6.0	6.0	2	7.8	0900
NWS Baltimore	BWI Airport	52.7	33.5	43.1	76	8+	8	4	0	2	14	40	WNW	9	2.07	0.63	28	5.06	11	0	5.8	4.7	2	8.5	2400
Stoudt, Jeff	Laurel 2 E	53.7	34.9	44.3	75	8	11	3	0	2	11				2.65	0.78	28	6.11	11	0	8.7	6.6	2	10.7	2400
<i>Baltimore, Maryland</i>																									
Sharrow, Marty	Owings Mills 2 SE	51.5	32.0	41.8	72	8	7	3	0	2	15				1.60	0.55	28	4.66	9	0	7.3	6.3	2	14.8	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	53.2	37.6	45.4	79	8	14	3	0	2	6				1.86	0.66	28	4.90	10	0	4.3	4.2	2	6.5	1800
Maryland Science Ctr	Baltimore Inner Harbor	52.7	37.5	45.1	78	8	14	3	0	2	6				1.87	0.69	28	4.86	11	0					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	50.4	31.0	40.7	71	8	4	3	0	2	16				1.66	0.44	28	4.38	10	0	7.3	5.8	2	16.9	2300
Hartsock, Ralph	Westminster 4 SSE	53.2	32.2	42.7	75	7	7	3	0	1	16	46		9	2.25	0.56	28	5.29	10	0	7.1	5.8	2	15.3	1900
Miller, Bobby	Millers 4 NE	52.3	31.6	42.0	70	7	6	3	0	1	16	45	WNW	9	1.84	0.42	28	4.95	9	0	6.5	5.9	2	18.2	1800
Muller, Ray	Westminster City	53.4	32.8	42.8	73	8	8	3	0	1	16	40	WNW	9	2.00	0.49	28	4.19	9	0	6.4	5.4	2	15.3	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	54.9	35.8	45.4	79	8	11	4	0	2	10				2.57	0.59	28	5.48	12	0	7.7	3.9	1	10.4	2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	51.5	30.3	40.9	75	9	10	3+	0	2	20				2.23	0.50	3	4.44	9	0	5.0	5.0	3	6.8	0630
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	49.9	25.5	37.7	72	8	-2	3+	0	2	22				2.22	0.53	27	9.46	10	0	1.5	1.0	1	118.3	0800

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MARCH 2009 SUMMARY**

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		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON
<u>Howard, Maryland</u>																									
Giannola, Rich	Laurel JHU / APL	51.8	34.3	43.1	76	8	10	3	0	2	11	46	NW	9	2.56	0.82	28	5.46	11	0	6.5	6.5	1-2	9.5	2400
<u>Montgomery, Maryland</u>																									
Berger, Ron	Norbeck 1 SE	53.1	34.3	43.7	74	8	9	3	0	1	13				2.82	1.09	28	6.19	11	1	6.8	6.0	2	10.0	2200
Cohen, Rob	Potomac 4 N	53.2	34.9	44.1	75	8	12	4	0	2	11				3.03	1.15	28	6.38	11	1	6.7	6.0	2	8.8	2100
Giannola, Rich	Olney 1 S	52.5	32.9	42.7	75	8	9	3	0	2	14				2.80	1.31	27-29	6.09	6	1	6.2	6.2	1-2	9.7	2400
Holden, Richard	Clarksburg 2 ENE	52.2	33.5	42.9	74	8	10	3	0	2	15	46	WNW	9	3.18	0.97	28	6.21	11	0	8.8	6.5	2	15.2	2400
Roth, David	Montgomery Village 1SW	53.0	35.1	44.1	74	8	13	3	0	2	11	23		2	2.62	1.60	28	5.86	8	1					2400
Rossen, Stan	Glenmont 1 NNE	54.6	33.5	44.1	78	8	10	3+	0	2	12	16		9	2.47	0.88	28	5.98	10	0	5.2	3.4	2	8.5	2400
Scafide, Tony	Bethesda	53.0	35.1	44.1	77	8	12	3	0	2	11	21		9	2.23	0.90	28	5.24	11	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	53.9	34.5	44.2	74	8	12	3	0	2	12				2.70	0.94	28	5.82	11	0	8.1	5.5	2	11.7	2400
Terry, Joe	Forest Glen	55.3	35.1	45.2	79	8	12	3	0	1	11	33	WNW	9	2.82	1.09	28	6.43	11	1	6.5	4.2	2	10.2	2400
<u>Prince Georges, Maryland</u>																									
Smith, Brian	Oxon Hill	54.9	36.2	45.6	78	29	13	3	0	2	9				2.44	0.49	28	5.96	12	0	8.8	6.2	2	12.3	2300
<u>St. Marys, Maryland</u>																									
Abell, Floyd	Hollywood	54.4	35.6	45.0	80	11	7	4	0	2	10	31		29	3.85	0.96	1	6.61	12	0	11.3	8.5	1	13.2	2400
Zyla, John	Ridge	53.9	37.0	45.5	79	8+	11	3	0	2	9	29	SE	9	4.28	1.20	1	6.43	11	1	9.5	7.0	1	12.0	2400
<u>Washington, Maryland</u>																									
Hutto, Max	Smithsburg 1.5 SW	53.9	31.7	42.8	75	7+	11	3	0	2	17	35	NNW	9	1.94	0.52	26	4.84	10	0	0.8	0.5	1	8.2	2400
Keefer, Greg	Hagerstown 1 E	53.2	33.0	43.1	76	8	11	3+	0	2	17	49	NW	9	1.66	0.36	26	4.35	10	0	0.6	0.5	1	5.7	2400
Vaughn, Jim	Smithsburg 2 NE	51.7	34.1	42.9	73	8	11	3	0	2	15	46	NE	2	2.14	0.46	27	4.84	11	0	1.0	0.5		10.9	2400
<u>Wicomico, Maryland</u>																									
NWS Salisbury	Wicomico Co. Apt	54.2	31.6	42.9	78	8	1	3+	0	2	15	41	N+	2+	1.43	0.41	28	2.84	11	0	4.0	2.0	1+	5.5	2400
<u>Arlington, Virginia</u>																									
NWS Washington National	National Airport	53.6	36.7	45.2	76	29	14	3	0	2	8	47	N	2	1.97	0.52	28	5.00	11	0	5.5	4.5	2	7.5	2400
<u>Loudon, Virginia</u>																									
NWS Washington Dulles	Dulles Airport	53.8	33.5	43.7	77	8	8	4	0	2	13	42	WNW	9	2.41	0.92	28	5.40	10	0	6.0	5.1	2	8.0	2400
Shaffer, Lance	Sterling 4 N	53.8	35.2	44.5	74	8+	13	3	0	2	11				3.29	1.15	28	6.75	10	1	6.7	5.5	2	10.1	2400
<u>Tucker, West Virginia</u>																									
Leshner, Dave	Davis 3 SE WV	46.2	26.5	36.4	67	8	-4	4	0	3	19				3.03	0.65	27	17.42	13	0	3.8	1.4	1	162.4	0700
SECTION AVERAGE*		52.8	33.4	43.1											2.31		5.43				6.1			27.2	

NOTES:

M OR UNDERLINE= MISSING DATA
 > = INCLUDED IN NEXT DAYS DATA
ITALIC = ESTIMATED DATA

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVER FOR LAVALE IS SCOTT LOHR. DATA COMPILED BY NATE MULLINS.

*** DATA FROM DEOS (DELAWARE ENVIROMENTAL OBSERVING SYSTEM) PERMISSION GRANTED FOR USE OF DATA

*** REC= UNIVERSITY OF DELAWARE RESEARCH AND EDUCATION CENTER

National Weather Service station data listed herein is preliminary and may be subject to change. The data has not been certified and cannot be used in legal actions.
 Only reports certified by the National Climatic Data Center in Asheville, NC may be used for these purposes.
 Accuracy of Data from ACON Observers not guaranteed.

GARY GALLAHER 5/12/09

ACON MD / DE / DC
MARCH 2009 DAILY TEMPERATURES

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME
BEAR 2 SW, DE GALLAHER	38	30	27	35	44	58	72	72	62	46	63	50	42	47	44	50	56	62	54	44	49	58	46	49	52	47	63	53	75	50	58	51.5	2400 EDT
WILMINGTON , DE NWS NEW CASTLE CO APT	37	29	25	32	42	58	73	73	63	47	63	47	41	46	43	50	56	63	55	46	49	59	48	50	51	47	62	53	74	52	56	51.3	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	38	27	26	36	47	60	74	72	62	47	63	48	43	48	44	49	57	63	54	46	51	58	46	49	54	46	64	53	74	49	59	51.7	2400 EDT
TOWNSEND 4 W, DE U of D REC DEOS	35	29	24	30	43	57	71	74	61	45	65	48	40	47	41	48	54	62	53	43	48	57	46	48	53	48	62	52	75	51	57	50.4	2400 EDT
GEORGETOWN, DE NWS SUSSEX CO APT	36	31	25	35	47	64	74	79	71	46	75	53	41	48	43	52	54	63	63	47	49	58	50	50	54	60	63	53	77	56	56	54.0	2400 EST
GEORGETOWN, DE U of D REC DEOS	36	31	23	31	47	63	73	77	69	45	74	55	39	47	43	52	53	61	62	45	48	57	48	48	53	59	63	53	75	54	57	52.9	2400 EDT
HARBESON 8 S, DE U of D REC DEOS	36	31	23	31	44	63	73	77	69	42	73	55	39	44	41	49	50	62	61	44	45	57	46	45	49	58	59	50	75	53	51	51.4	2400 EDT
FROSTBURG LATTA	30	38	18	22	39	54	67	72	71	53	47	63	36	39	46	38	42	54	72	53	36	46	57	51	45	44	48	53	46	51	49	47.7	0700 EDT
LAVALE MULLINS**	37	23	29	41	55	74	73	71	65	50	65	42	45	52	42	45	54	73	56	45	52	59	57	50	50	43	58	50	50	52	61	52.2	2400 EDT
PASADENA 2 N HANSON	37	31	30	38	46	65	75	78	66	48	70	50	41	47	43	50	55	60	59	48	50	61	53	50	52	48	62	51	76	57	58	53.4	2400 EDT
LOTHIAN JUG BAY	49	35	27	30	42	49	66	75	80	69	60	60	37	36	32	36	37	40	54	64	60	50	54	65	54	50	53	63	54	58	54.7	0900 EDT	
BALTIMORE NWS BWI APT	38	29	28	36	46	65	73	76	65	48	70	48	40	46	43	50	54	65	56	47	48	61	51	49	52	49	61	52	76	55	56	52.7	2400 EST
LAUREL 2 E STOUDT	38	31	29	39	49	67	74	75	65	49	69	49	43	49	44	50	53	65	56	46	52	62	52	51	55	49	62	53	74	55	61	53.7	2400 EST
OWINGS MILLS 2SE SHARROW	35	29	28	37	49	64	71	72	61	45	65	48	41	47	42	50	57	66	51	44	49	59	49	49	52	45	61	53	69	51	59	51.5	2400 EDT
BALTIMORE 2SE MANFRE	39	30	29	37	48	66	74	79	63	47	71	49	42	46	44	51	53	61	57	46	49	62	51	50	51	50	62	54	75	56	58	53.2	1800 EDT
BALT INNER HARBOR MD SCIENCE CENTER	39	30	29	37	46	66	74	78	63	47	70	49	42	46	44	51	53	59	56	46	49	61	51	49	51	50	61	54	74	54	55	52.7	2400 EST
MANCHESTER 1SW CLOSE	36	23	27	35	47	64	70	71	58	42	67	46	40	47	41	49	58	64	52	43	48	59	47	46	51	44	59	50	70	49	58	50.4	2300 EDT
WESTMINSTER 4 SSE HARTSOCK	40	36	25	34	46	67	75	73	67	46	70	60	46	50	44	51	57	66	54	46	50	57	47	46	56	50	62	50	70	50	57	53.2	1900 EDT
MILLERS 4NE MILLER	36	36	26	33	47	65	70	68	64	50	69	60	40	47	43	49	55	65	61	48	46	56	53	46	50	47	58	56	68	50	59	52.3	1800 EDT
WESTMINSTER CITY MULLER	37	37	28	34	48	68	73	70	68	51	70	56	42	48	45	50	56	66	60	46	48	58	54	46	51	48	60	55	70	52	60	53.4	1900 EDT
BRYANS ROAD 2 ESE BRUMBACK	36	32	31	40	52	67	74	79	71	50	77	50	41	44	44	49	52	66	59	50	54	63	55	50	50	50	63	52	78	61	64	54.9	2400 EDT
EMMITSBURG 2 SE GLASS	39	39	28	30	38	51	69	73	75	58	47	72	44	44	50	44	51	55	66	51	44	47	61	52	47	53	45	59	52	62	52	51.5	0630 EDT

**ACON MD / DE / DC
MARCH 2009 DAILY TEMPERATURES**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME
EAGLE ROCK HARVEY	34	40	14	22	42	60	69	72	70	68	65	60	40	40	38	44	46	62	71	52	42	45	49	48	46	48	52	52	58	50	48	49.9	0800 EDT
LAUREL JHU / APL GIANNOLA	36	26	27	37	49	66	72	76	61	46	69	48	39	47	43	49	54	63	55	43	49	59	49	49	51	48	61	51	73	52	58	51.8	2400 EDT
NORBECK 1 SE BERGER	26	33	30	37	50	67	71	74	66	47	68	52	40	46	43	49	54	64	57	46	50	62	53	52	52	48	61	52	69	55	62	53.1	2200 EDT
POTOMAC 4N COHEN	37	27	28	36	49	67	72	75	66	49	69	56	42	46	44	49	54	65	55	46	50	60	51	52	52	48	62	52	73	55	61	53.2	2100 EDT
OLNEY 1 S GIANNOLA	36	30	28	36	48	67	73	75	63	47	68	51	41	47	43	49	54	64	54	46	50	60	51	50	53	46	62	>	70	54	60	52.5	2400 EDT
CLARKSBURG 2ENE HOLDEN	28	17	9	11	20	37	47	56	43	32	39	32	35	33	38	36	38	38	41	30	24	29	28	23	27	38	37	>	47	42	32	32.9	EDT
MONTGOMERY VILLAGE ROTH 1SW	36	26	29	37	51	67	72	74	61	48	68	45	43	46	43	49	52	67	55	44	50	60	51	49	52	46	60	51	72	53	61	52.2	2400 EST
GLENMONT 1NNE ROSSEN	38	28	29	36	50	68	72	74	62	48	70	49	42	47	45	50	54	66	57	46	50	59	51	49	52	49	62	53	73	55	61	53.0	2400 EDT
BETHESDA SCAFIDE	28	17	13	14	21	41	47	61	44	34	42	35	37	34	39	38	40	39	43	31	24	30	32	26	28	39	41	49	48	43	33	35.1	EDT
GAITHERSBURG 2WNW SHAW	38	29	31	41	54	70	73	78	66	48	70	49	40	47	44	49	55	69	56	47	53	63	53	52	55	49	64	52	74	59	65	54.6	2400 EST
FOREST GLEN TERRY	29	17	10	10	18	40	45	55	42	33	41	35	37	34	39	37	37	33	40	28	24	27	30	24	25	40	42	48	47	39	32	33.5	EDT
OXON HILL SMITH	37	28	30	38	51	69	73	77	65	48	70	47	40	45	43	49	54	65	57	47	49	61	52	50	50	48	62	52	73	56	61	53.0	2400 EDT
HOLLYWOOD ABELL	28	29	32	39	51	68	73	74	63	49	70	49	42	47	44	50	54	68	56	46	52	62	53	52	52	48	63	53	73	57	63	53.9	2400 EDT
RIDGE ZYLA	28	16	12	14	20	39	46	57	43	34	42	34	37	34	39	37	39	38	42	30	25	29	31	25	28	39	40	49	48	44	32	34.5	EDT
SMITHSBURG 1.5 SW HUTTO	38	31	34	42	54	70	74	79	67	48	71	51	40	47	44	49	55	67	59	51	53	64	56	54	53	49	64	52	74	59	65	55.3	2400 EDT
SMITHSBURG 2 NE VAUGHN	29	17	12	13	22	42	48	58	44	34	41	35	37	35	39	39	40	38	42	30	27	30	30	26	29	39	42	47	48	43	33	35.1	EDT
HOLLYWOOD ABELL	37	31	31	40	53	67	74	77	69	49	73	50	43	45	44	49	52	66	61	50	53	63	54	52	52	49	63	52	78	60	64	54.9	2300 EDT
RIDGE ZYLA	31	20	13	18	23	42	47	59	46	36	41	37	33	35	38	41	40	38	42	33	29	31	34	27	29	40	43	47	48	45	36	36.2	EDT
SMITHSBURG 1.5 SW HUTTO	34	32	29	39	53	65	73	79	75	48	80	51	40	44	43	49	48	63	63	50	51	62	52	46	50	58	60	53	77	62	58	54.4	2359 EDT
SMITHSBURG 1.5 SW HUTTO	32	15	9	7	19	42	44	60	61	36	40	40	33	35	39	41	34	33	40	29	26	28	33	30	27	43	48	48	48	46	39	35.6	EDT
SMITHSBURG 1.5 SW HUTTO	35	32	28	36	48	65	71	79	75	49	79	54	41	45	43	48	47	60	62	49	50	60	48	47	49	58	58	58	78	63	56	53.9	2400 EDT
SMITHSBURG 1.5 SW HUTTO	32	17	11	14	28	42	47	54	47	40	44	41	33	39	41	34	30	38	42	35	34	30	35	30	30	44	47	49	49	48	41	37.0	EDT
SMITHSBURG 1.5 SW HUTTO	39	30	30	40	54	73	75	75	55	48	72	44	47	53	47	51	56	68	60	46	50	60	53	52	52	47	60	54	63	51	66	53.9	2400 EDT
HAGERSTOWN 1E KEEFER	27	14	11	12	16	45	50	53	37	28	42	31	31	28	38	41	38	31	45	27	17	22	25	20	26	38	34	48	44	38	25	31.7	EDT
HAGERSTOWN 1E KEEFER	39	30	31	38	54	73	75	76	58	47	72	45	44	51	46	50	55	67	58	46	47	61	52	49	52	45	59	53	62	52	61	53.2	2400 EDT
SMITHSBURG 2 NE VAUGHN	27	15	11	15	18	45	52	53	39	31	43	32	32	30	38	41	39	32	45	28	21	24	27	23	30	38	36	48	45	38	28	33.0	EDT
SMITHSBURG 2 NE VAUGHN	39	29	29	37	51	70	72	73	56	46	70	44	43	49	45	49	54	65	60	46	46	57	49	48	51	47	58	52	60	49	59	51.7	2400 EDT
SALISBURY NWS WICOMICO CO APT	29	14	11	17	22	45	58	55	37	32	43	32	31	30	38	40	39	39	45	29	23	29	28	24	33	38	39	48	44	38	29	34.1	EDT
SALISBURY NWS WICOMICO CO APT	37	32	23	33	49	65	74	78	73	47	73	51	40	48	46	52	53	61	65	49	51	56	49	49	53	58	65	59	75	57	60	54.2	2400 EDT
WASH NATIONAL NWS ASOS	32	16	1	1	12	40	47	57	39	31	35	38	32	35	38	42	27	24	43	25	20	20	25	22	17	43	46	47	48	41	35	31.6	EDT
WASH NATIONAL NWS ASOS	38	31	29	38	50	64	71	74	68	49	73	49	42	45	44	49	53	62	59	49	51	62	52	50	51	50	62	52	76	58	61	53.6	2400 EST
WASH DULLES NWS ASOS	31	19	14	19	27	41	42	55	44	39	42	37	34	36	39	41	41	39	45	32	29	34	35	28	34	40	44	48	44	38	36.7	EDT	
WASH DULLES NWS ASOS	38	28	30	38	51	68	74	77	66	49	71	48	41	44	45	49	52	68	57	47	51	63	54	49	51	48	62	52	75	58	63	53.8	2400 EST
STERLING 4 N SHAFFER	28	17	13	8	18	41	44	57	43	32	42	35	34	32	38	38	38	33	40	27	23	29	33	27	27	39	34	49	47	43	31	33.5	EDT
STERLING 4 N SHAFFER	37	27	32	40	52	69	72	74	67	46	70	46	41	45	46	49	53	69	55	50	52	64	54	51	51	48	61	52	74	59	62	53.8	2400 EDT
DAVIS 3 SE WV LESHES	30	18	13	14	20	41	46	57	46	34	44	37	36	34	34	39	41	36	43	32	25	29	32	27	29	40	38	49	44	33	35.2	EDT	
DAVIS 3 SE WV LESHES	33	33	9	16	34	51	61	67	63	50	62	56	32	37	41	47	52	55	66	43	35	45	50	49	49	45	49	51	53	55	44	46.2	0700 EDT
DAVIS 3 SE WV LESHES	24	6	-3	-4	8	26	46	49	46	33	45	13	16	21	29	39	38	35	41	18	18	20	24	21	23	37	31	33	40	24	24	26.5	EDT

**ACON MD / DE / DC
MARCH 2009 DAILY PRECIPITATION**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME		
BEAR 2 SW, DE GALLAHER	0.40 4.7	0.40 5.8								T	T			0.01	0.11	T	0.13		0.14	0.20					T	0.41	0.03	0.50	0.17			2.50 10.5	2400 EDT		
WILMINGTON, DE NWS NEW CASTLE CO APT	0.21 4.7	0.39 5.8									T			0.01	0.04	0.01	0.06		0.13	0.09							0.36	0.04	0.34	0.21			1.89 10.5	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	0.15	0.10		*										0.01	0.06		0.15		0.17	0.12							0.38	0.02	0.41	0.17			1.74	2400 EDT	
TOWNSEND 4 W, DE U of D REC DEOS	0.06	0.01		*										0.05	0.05	0.01	0.12		0.09	0.07							0.44	0.05	0.48	0.10			1.53	2400 EDT	
GEORGETOWN, DE NWS SUSSEX CO APT	0.52	0.35											0.07	0.05	0.25	0.04	0.08		0.12	0.01							0.23	0.08	0.59	0.21			2.60 -	2400 EST	
GEORGETOWN, DE U of D REC DEOS	0.27	0.15		*	*								0.07	0.08	0.32	0.06	0.09		0.12								0.24	0.05	0.64	0.19			2.28	2400 EDT	
HARBESON 8 S, DE U of D REC DEOS	0.29	0.20		*	*								0.08	0.06	0.29	0.02	0.06		0.13	0.01							0.16	0.06	0.62	0.17			2.15	2400 EDT	
FROSTBURG LATTA	T 0.1	0.06 T	T T									T			0.03	0.01	0.21		T	T							0.37	0.37	0.48	0.09	0.08 T		1.70 0.1	0700 EDT	
LAVALE MULLINS**	0.11 2.5													0.04		0.21									0.20	0.38	0.36	0.17	0.17			1.64 2.5	2400 EDT		
PASADENA 2N HANSON	0.16 1.5	0.38 5.7		*	*									0.03	0.06	0.05		0.11		0.06							0.29	0.13	0.66	0.08			2.01 7.2	2400 EDT	
LOTHIAN JUG BAY	0.15	6.0												T	0.14	0.10	0.18	0.02		0.05	0.01						0.27	0.09	0.63	0.07	0.01		1.72 6.0	0900 EDT	
BWI NWS ASOS	0.26 1.1	0.24 4.7									T			0.03	0.03	0.06	0.10		0.08						T	0.36	0.19	0.63	0.09			2.07 5.8	2400 EST		
LAUREL 2 E STOUDT	0.32 2.1	0.30 6.6									T			0.03	0.07	0.14	0.17		0.09						T	0.40	0.26	0.78	0.09			2.65 8.7	2400 EST		
OWINGS MILLS 2SE SHARROW	0.11 1.0	0.32 6.3									T			0.02	0.04	T	0.08	T	0.04								0.28		0.55	0.16			1.60 7.3	2400 EDT	
BALTIMORE 2SE MANFRE	0.16 0.1	0.21 4.2												0.02	0.04	0.06	0.10		0.08								0.37	0.16	0.66				1.86 4.3	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	0.16	0.14												0.02	0.04	0.05	0.03		0.07								0.37	0.19	0.69	0.11			1.87 -	2400 EST	
MANCHESTER 1SW CLOSE	0.10 1.5	5.8						T			T			0.03	0.02	0.13	0.11		0.09								0.38	0.04	0.44	0.32			1.66 7.3	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	0.10 1.3	0.21 5.8													0.10	0.05	0.23		0.13								0.52		0.56	0.28	0.07		2.25 7.1	1900 EDT	
MILLERS 4NE MILLER	0.09 0.6	0.38 5.9									T			T	0.04	T	0.14		0.10								0.36	0.02	0.42	0.29	T		1.84 6.5	1800 EDT	
WESTMINSTER CITY MULLER	0.09 1.0	0.32 5.4												T	0.07	0.06	0.20		0.12								0.38		0.49	0.27			2.00 6.4	1900 EST	
BRYANS ROAD 2 ESE BRUMBACK	0.57 3.9	0.35 3.5									T			0.04 0.3	0.15	0.14	0.12	0.02		0.02								0.32	0.16	0.59	0.09			2.57 7.7	2400 EDT
EMMITSBURG 2 SE GLASS	T	T	0.50 5.0												0.03	0.02	0.20			0.09							T	0.43	0.50	0.20	0.26			2.23 5.0	0630 EDT

ACON MD / DE / DC
MARCH 2009 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME
EAGLE ROCK HARVEY	0.15 1.0		T T												0.05	0.01	0.25		0.05							0.50	0.53	0.37	0.28	0.03 0.5	2.22 1.5	0800 EDT	
LAUREL JHU / APL GIANNOLA	0.30 >	0.31 6.5												0.04	0.02	0.12	0.17		0.05							0.35	0.18	0.82	0.20		2.56 6.5	2400 EDT	
NORBECK 1 SE BERGER	0.17 0.8	0.42 6.0												0.08	0.06	0.12	0.14		0.07							0.38	0.14	1.09	0.15		2.82 6.8	2200 EDT	
POTOMAC 4N COHEN	0.15 0.7	0.48 6.0									T		T	0.09	0.07	0.08	0.26		0.09							0.37	0.17	1.15	0.12		3.03 6.7	2100 EDT	
OLNEY 1 S GIANNOLA	> >	0.58 6.2												>	0.10	>	0.32		0.07							0.42	>	>	1.31		2.80 6.2	2400 EDT	
CLARKSBURG 2ENE HOLDEN	0.23 2.3	0.43 6.5												0.04	0.07	0.29	0.06		0.10						T	0.37	0.27	0.97	0.35		3.18 8.8	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	0.17	0.30												0.07	0.05	0.20	0.13		0.10									1.60		2.62 0.0	2400 EDT		
GLENMONT 1NNE ROSSEN	0.24 1.8	0.22 3.4												0.10	0.04	0.20			0.05						T	0.39	0.22	0.88	0.13		2.47 5.2	2400 EST	
BETHESDA SCAFIDE	0.08	0.15	*	*	*									0.06	0.04	0.21	0.02		0.07							0.31	0.35	0.90	0.04		2.23 -	2400 EDT	
GAITHERSBURG 2WNW SHAW	0.22 2.6	0.35 5.5												0.06	0.02	0.20	0.08		0.08						T	0.40	0.21	0.94	0.14		2.70 8.1	2400 EDT	
FOREST GLEN TERRY	0.31 2.3	0.31 4.2											T T	0.11	0.05	0.13	0.12		0.06							0.39	0.13	1.09	0.12		2.82 6.5	2400 EDT	
OXON HILL SMITH	0.48 2.6	0.36 6.2											0.01 T	0.15	0.15	0.05	0.12		0.03							0.35	0.14	0.49	0.11		2.44 8.8	2300 EDT	
HOLLYWOOD ABELL	0.96 8.5	0.34 2.5											0.24 0.3	0.23	0.36	0.16	0.11		0.03							0.19	0.54	0.65	0.04		3.85 11.3	2359 EDT	
RIDGE ZYLA	1.20 7.0	0.14 2.4										T	0.29 0.1	0.28	0.24	0.24	0.21		0.08							0.18	0.83	0.59			4.28 9.5	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	0.06 0.5	0.3 0.3									T			0.01	0.01	0.27	0.01		0.10							0.52	0.39	0.32	0.25		1.94 0.8	2400 EDT	
HAGERSTOWN 1E KEEFER	0.07 0.5	0.01 0.1									T			0.04	0.01	0.26			0.06							0.36	0.31	0.25	0.29		1.66 0.6	2400 EDT	
SMITHSBURG 2 NE VAUGHN	0.05 0.5	0.05 0.5												0.01	0.03	0.31	0.03		0.19							0.38	0.46	0.28	0.35		2.14 1.0	2400 EDT	
SALISBURY NWS WICOMICO CO APT	0.40 2.0	0.20 2.0									T		0.06 T	0.02	0.11	T	0.02		0.04							0.07	0.09	0.41	0.01		1.43 4.0	2400 EDT	
WASH NATIONAL NWS ASOS	0.25 1.0	0.25 4.5									T		T T	0.10	0.09	0.08	0.06		0.04							0.33	0.17	0.52	0.08		1.97 5.5	2400 EST	
WASH DULLES NWS ASOS	0.09 0.9	0.41 5.1											T T	0.12	0.07	0.08	T		0.07					T	0.33	0.24	0.92	0.08		2.41 6.0	2400 EST		
STERLING 4 N SHAFFER	0.12 1.2	0.55 5.5											T T	0.02	0.11	0.37			0.15							0.44	0.15	1.15	0.23		3.29 6.7	2400 EDT	
DAVIS 3 SE WV LESHES	0.12 1.4	T T	0.04 0.6				T					0.05	0.04 0.5	T T	0.18	0.10	0.44		T	0.07						0.59	0.65	0.44	0.01	0.30 1.3	T T	3.03 3.8	0700 EDT

* FROZEN PRECIP WHICH MELTED IN TIPPING BUCKET ON THESE DAYS MOVED TO THE 2nd BY EDITOR